

Summary by Group

<u>Group</u>	<u>%Wgt</u>	<u>%Vol</u>	<u>%Mol</u>
Paraffin	7.234	8.810	9.515
I-Paraffins	22.271	24.875	21.153
Aromatics	37.108	32.516	33.093
<i>Mono-Aromatics</i>	36.003	31.605	32.266
<i>Naphthalenes</i>	0.165	0.127	0.121
<i>Naphtheno/Olefino-Benz</i>	0.497	0.427	0.366
<i>Indenes</i>	0.336	0.267	0.277
Naphthenes	21.259	20.874	23.909
<i>Mono-Naphthenes</i>	20.986	20.612	23.717
<i>Di/Bicyclo-Naphthenes</i>	0.083	0.079	0.052
Olefins	7.129	8.023	8.698
<i>n-Olefins</i>	2.777	3.193	3.564
<i>Iso-Olefins</i>	3.420	3.858	4.130
<i>Naphtheno-Olefins</i>	0.267	0.260	0.362
<i>Di-Olefins</i>	0.227	0.242	0.259
Oxygenates	0.116	0.120	0.128
Plus	0.000	0.000	0.000

Summary by Carbon

<u>C#</u>	<u>%Wgt</u>	<u>%Vol</u>	<u>%Mol</u>
C4	3.876	5.106	6.498
C5	7.910	9.450	10.785
C6	26.058	26.494	30.087
C7	11.034	10.318	11.449
C8	20.377	19.845	18.095
C9	16.174	14.853	12.909
C10	7.142	6.810	5.063
C11	1.997	1.851	1.287
C12	0.513	0.456	0.305
C13	0.034	0.034	0.018

Composite by Carbon

Group	C#	%Wgt	%Vol	%Mol
Paraffin	C4	3.709	4.895	6.211
	C5	0.862	1.051	1.162
	C6	0.555	0.643	0.627
	C7	0.088	0.098	0.085
	C8	0.102	0.111	0.087
	C9	0.699	0.744	0.530
	C10	0.933	0.976	0.638
	C11	0.236	0.242	0.147
	C12	0.036	0.037	0.021
	C13	0.014	0.014	0.007
I-Paraffins	C4	0.030	0.041	0.050
	C5	3.458	4.266	4.663
	C6	3.513	4.076	3.967
	C7	1.536	1.730	1.492
	C8	8.775	9.559	7.475
	C9	2.009	2.136	1.524
	C10	2.381	2.480	1.628
	C11	0.548	0.566	0.341
	C13	0.020	0.020	0.011
Aromatics	C12	0.106	0.091	0.063
Mono-Aromatics	C6	0.710	0.617	0.885
	C7	8.300	7.312	8.766
	C8	11.138	9.812	10.210
	C9	12.056	10.565	9.761
	C10	2.395	2.095	1.736
	C11	1.128	0.968	0.743
	C12	0.275	0.236	0.165
Naphthalenes	C10	0.132	0.103	0.098
	C11	0.033	0.025	0.022
Naphtheno/Olefino-Benzene	C10	0.497	0.427	0.366
	C11	0.033	0.025	0.022
Indenes	C10	0.336	0.267	0.277
Naphthenes	C8	0.011	0.011	0.010
	C9	0.115	0.112	0.089
	C10	0.011	0.010	0.007
	C11	0.052	0.050	0.033
Mono-Naphthenes	C5	0.104	0.106	0.144

Composite by Carbon

Group	C#	%Wgt	%Vol	%Mol
Mono-Naphthenes	C6	19.262	18.921	22.272
	C7	0.289	0.293	0.286
	C8	0.222	0.219	0.193
	C9	0.826	0.804	0.637
	C10	0.187	0.175	0.130
	C12	0.096	0.092	0.056
Di/Bicyclo-Naphthenes	C10	0.083	0.079	0.052
Olefins	C4	0.000	0.000	0.000
	C6	0.058	0.064	0.067
	C7	0.048	0.053	0.048
	C8	0.016	0.017	0.016
	C9	0.317	0.337	0.252
n-Olefins	C4	0.137	0.170	0.237
	C5	1.492	1.756	2.070
	C6	0.903	1.009	1.044
	C7	0.090	0.098	0.090
	C8	0.036	0.038	0.031
	C9	0.119	0.121	0.092
Iso-Olefins	C5	1.626	1.891	2.257
	C6	0.961	1.070	1.111
	C7	0.614	0.663	0.608
	C9	0.032	0.035	0.025
	C10	0.187	0.198	0.130
Naphtheno-Olefins	C5	0.191	0.189	0.273
	C6	0.076	0.071	0.090
Di-Olefins	C5	0.062	0.071	0.089
	C6	0.020	0.022	0.024
	C7	0.068	0.070	0.073
	C8	0.076	0.078	0.073
Oxygenates	C5	0.116	0.120	0.128

Component List

Pk#	Time	CASNO	Group	Component	%Wgt	%Vol	%Mol
1	8.665	75-28-5	I4	i-Butane	0.030	0.041	0.050
2	9.390	115-11-7	O4	isobutene	0.000	0.000	0.000
3	9.430	106-98-9	K4	Butene-1	0.013	0.017	0.023
4	9.737	106-97-8	P4	n-Butane	3.709	4.895	6.211
5	10.183	624-64-6	K4	t-Butene-2	0.038	0.048	0.065
6	10.265	463-82-1	I5	2,2-Dimethylpropane	0.064	0.083	0.087
7	10.825	590-18-1	K4	c-Butene-2	0.086	0.106	0.149
8	12.802	563-45-1	C5	3-Methylbutene-1	0.078	0.095	0.108
9	14.153	78-78-4	I5	i-Pentane	3.393	4.183	4.576
10	15.639	109-67-1	K5	Pentene-1	0.294	0.351	0.408
11	16.404	563-46-2	C5	2-Methylbutene-1	0.497	0.584	0.690
12	16.870	109-66-0	P5	n-Pentane	0.862	1.051	1.162
13	17.412	78-79-5	E5	2-Methyl-1,3-Butadiene	0.018	0.020	0.026
14	17.907	646-04-8	K5	t-Pentene-2	0.757	0.892	1.050
15	18.484	598-25-4	E5	3-Methylbutadiene-1,2	0.031	0.037	0.044
16	18.852	627-20-3	K5	c-Pentene-2	0.441	0.513	0.611
17	19.472	513-35-9	C5	2-Methylbutene-2	1.051	1.212	1.459
20	21.064	1574-41-0	E5	1c,3-Pentadiene	0.013	0.014	0.019
21	21.415	75-83-2	I6	2,2-Dimethylbutane	0.081	0.095	0.092
22	23.926	142-29-0	B5	Cyclopentene	0.191	0.189	0.273
24	25.084	691-37-2	C6	4-Methylpentene-1	0.085	0.097	0.098
25	25.643	287-92-3	M5	Cyclopentane	0.104	0.106	0.144
26	26.327	79-29-8	I6	2,3-Dimethylbutane	0.885	1.021	0.999
27	26.739	1634-04-4	X5	Methyl-t-butylether	0.116	0.120	0.128
28	27.175	691-38-3	C6	4-Methyl-c-pentene-2	0.046	0.052	0.053
29	27.366	107-83-5	I6	2-Methylpentane	1.568	1.834	1.771
30	27.797	674-76-0	C6	4-Methyl-t-pentene-2	0.146	0.166	0.169
31	29.878	96-14-0	I6	3-Methylpentane	0.979	1.126	1.106
32	31.033	763-29-1	C6	2-Methylpentene-1	0.182	0.203	0.211
33	31.253	592-41-6	K6	Hexene-1	0.140	0.158	0.162
35	33.480	110-54-3	P6	n-Hexane	0.555	0.643	0.627
36	34.14913269-52-8	K6	t-Hexene-3	0.203	0.227	0.235	
37	34.609	4050-45-7	K6	t-Hexene-2	0.380	0.426	0.440
38	35.080	625-27-4	C6	2-Methylpentene-2	0.277	0.306	0.320
39	35.333	O6	O13		0.058	0.064	0.067
40	35.465	922-62-3	C6	3-Methyl-c-pentene-2	0.225	0.246	0.260
41	36.378	7688-21-3	K6	c-Hexene-2	0.179	0.198	0.207
43	37.682	3404-73-7	C7	3,3-Dimethylpentene-1	0.234	0.255	0.232
45	38.162	96-37-7	M6	Methylcyclopentane	0.616	0.628	0.712
46	38.970	563-79-1	E7	2,3-Dimethyl-2-Butene	0.017	0.018	0.020
48	39.715	108-08-7	I7	2,4-Dimethylpentane	0.605	0.687	0.587
49	40.217	464-06-2	I7	2,2,3-Trimethylbutane	0.063	0.069	0.061
52	41.934	762-63-0	C7	4,4-Dimethyl-c-pentene-2	0.018	0.019	0.018
53	42.875	E6	Diolefin	0.020	0.022	0.024	

Component List

Pk#	Time	CASNO	Group	Component	%Wgt	%Vol	%Mol
54	43.156	71-42-3	Q6	Benzene	0.710	0.617	0.885
55	44.152		C7	2-Methyl-c-hexene-3	0.042	0.046	0.042
56	45.167	110-82-7	M6	Cyclohexane	18.646	18.293	21.560
58	45.604	692-24-0	C7	2-Methyl-t-hexene-3	0.033	0.037	0.033
62	46.682	7357-93-9	C7	2-Ethyl-3-methylbutene-1	0.038	0.041	0.038
63	47.002	3769-23-1	C7	4-Methylhexene-1	0.022	0.024	0.022
66	47.632	3404-55-5	C7	4-Methyl-t/c-hexene-2	0.034	0.037	0.034
67	47.983	591-76-4	I7	2-Methylhexane	0.594	0.668	0.577
69	48.455	110-83-8	B6	Cyclohexene	0.076	0.071	0.090
74	49.779	589-34-4	I7	3-Methylhexane	0.275	0.306	0.267
75	50.579	2532-58-3	M7	1c,3-Dimethylcyclopentane	0.095	0.097	0.094
76	51.157	1759-58-6	M7	1t,3-Dimethylcyclopentane	0.069	0.070	0.068
78	51.768	822-50-4	M7	1t,2-Dimethylcyclopentane	0.037	0.038	0.037
80	52.461	540-84-1	I8	2,2,4-Trimethylpentane	4.369	4.823	3.722
81	52.940	1541-23-7	E7	1,5-Heptadiene	0.051	0.052	0.054
83	54.104	4914-89-0	C7	3-Methyl-c-hexene-3	0.032	0.034	0.032
84	54.582	14686-14-7	K7	t-Heptene-3	0.037	0.041	0.037
85	54.904		O7	C7-Olefin2	0.038	0.042	0.038
86	55.289	142-82-5	P7	n-Heptane	0.088	0.098	0.085
87	55.533	7642-10-6	K7	c-Heptene-3	0.032	0.035	0.032
88	55.856	2738-19-4	C7	2-Methyl-2-hexene	0.027	0.029	0.027
89	56.075	10574-36-4	C7	3-Methyl-c-hexene-2	0.044	0.047	0.043
90	56.611	816-79-5	C7	3-Ethylpentene-2	0.020	0.022	0.020
91	56.835		C7	1,5-DM-Cyclopentene	0.040	0.042	0.040
92	57.365	20710-38-8	C7	3-Methyl-t-hexene-2	0.028	0.030	0.028
94	58.099	6443-92-1	K7	c-Heptene-2	0.021	0.023	0.021
95	58.576	108-87-2	M7	Methylcyclohexane	0.058	0.057	0.057
96	58.978	1192-18-3	M7	1c,2-Dimethylcyclopentane	0.013	0.014	0.013
98	59.535	4516-69-2	M8	1,1,3-Trimethylcyclopentane	0.014	0.014	0.012
105	61.384	1640-89-7	M7	Ethylcyclopentane	0.017	0.017	0.017
106	62.004	564-02-3	I8	2,2,3-Trimethylpentane	0.282	0.301	0.240
107	62.305	592-13-2	I8	2,5-Dimethylhexane	0.592	0.652	0.504
108	62.628	589-43-5	I8	2,4-Dimethylhexane	0.547	0.597	0.466
109	63.418	4850-28-6	M8	1c,2t,4-Trimethylcyclopentane	0.014	0.014	0.012
111	63.852	563-16-6	I8	3,3-Dimethylhexane	0.017	0.019	0.015
112	64.156		O7	O38	0.010	0.010	0.010
115	64.995		O8	C8-Olefin2	0.016	0.017	0.016
116	65.708	565-75-3	I8	2,3,4-Trimethylpentane	1.855	1.970	1.580
117	66.486	108-88-3	Q7	Toluene	8.300	7.312	8.766
118	67.750		E8	C8-Diolefin3	0.054	0.056	0.054
119	68.152	584-94-1	I8	2,3-Dimethylhexane	0.779	0.836	0.664
120	69.499	592-27-8	I8	2-Methylheptane	0.083	0.090	0.070
121	69.733	589-53-7	I8	4-Methylheptane	0.082	0.089	0.070
124	70.866	589-81-1	I8	3-Methylheptane	0.169	0.183	0.144

Component List

<u>Pk#</u>	<u>Time</u>	<u>CASNO</u>	<u>Group</u>	<u>Component</u>	<u>%Wgt</u>	<u>%Vol</u>	<u>%Mol</u>
125	71.864	1002-33-1	E8	1,3-Octadiene	0.022	0.022	0.020
128	72.818	3522-94-9	I9	2,2,5-Trimethylhexane	0.772	0.834	0.586
129	73.097		M8	3c-Ethylmethylcyclopentane	0.021	0.021	0.018
130	73.348		M8	3t-Ethylmethylcyclopentane	0.021	0.021	0.019
131	73.604	111-66-0	M8	2t-Ethylmethylcyclopentane	0.017	0.017	0.015
132	73.78314850-23-8		K8	t-Octene-4	0.028	0.030	0.025
133	74.03116747-50-5		M8	1,1-Methylethylcyclopentane	0.038	0.037	0.033
135	74.34116747-26-5		I9	2,2,4-Trimethylhexane	0.018	0.019	0.014
137	74.776	2207-03-6	M8	1t,3-Dimethylcyclohexane	0.012	0.012	0.010
139	75.13019549-89-4		C9	3,3-Dimethylheptene-1	0.015	0.015	0.011
140	75.316		M8	1c,2c,3-Trimethylcyclopentane	0.030	0.029	0.026
141	75.601	111-65-9	P8	n-Octane	0.102	0.111	0.087
142	76.451		O9	C9-Olefin1	0.072	0.077	0.063
143	77.055		O9	C9-Olefin2	0.019	0.020	0.015
146	77.622	7642-04-8	K8	c-Octene-2	0.008	0.008	0.007
148	78.070	921-47-1	I9	2,3,4-Trimethylhexane	0.146	0.151	0.111
152	79.304	2207-01-4	M8	1c,2-Dimethylcyclohexane	0.037	0.035	0.032
154	79.868	1071-26-7	I9	2,2-Dimethylheptane	0.071	0.077	0.054
155	80.13519550-75-6		C9	t-2,2-Dimethylheptene-3	0.017	0.019	0.013
156	80.29616747-25-4		I9	2,2,3-Trimethylhexane	0.075	0.080	0.057
157	80.677	1068-19-5	I9	4,4-Dimethylheptane	0.049	0.052	0.037
158	81.028	1678-91-7	M8	Ethylcyclohexane	0.020	0.019	0.017
159	81.245	1795-27-3	M9	1c,3c,5-Trimethylcyclohexane	0.089	0.088	0.068
160	81.418	4032-86-4	I9	3,3-Dimethylheptane	0.032	0.034	0.024
162	81.926	3074-75-7	I9	2-Methyl-4-ethylhexane	0.026	0.027	0.020
164	82.409		N8	N8	0.011	0.011	0.010
165	82.776	100-41-4	Q8	Ethylbenzene	9.943	8.759	9.114
166	82.993	7667-60-9	M9	1c,2t,4t-Trimethylcyclohexane	0.396	0.388	0.306
168	83.880	108-38-3	Q8	m-Xylene	0.377	0.334	0.346
169	84.052	106-42-3	Q8	p-Xylene	0.476	0.422	0.436
171	84.793	1067-20-5	I9	3,3-Diethylpentane	0.133	0.135	0.101
172	85.212	2216-34-4	I9	4-Methyloctane	0.117	0.124	0.089
173	85.350	3221-61-2	I9	2-Methyloctane	0.188	0.202	0.143
175	86.046		M9	1c,2t,4c-Trimethylcyclohexane	0.066	0.065	0.050
176	86.228	2216-33-3	I9	3-Methyloctane	0.198	0.210	0.150
178	86.897	95-47-6	Q8	o-Xylene	0.341	0.296	0.313
179	87.278		O9	C9-Olefin4	0.226	0.240	0.174
180	87.636		N9	N18	0.045	0.044	0.035
182	88.113		I9	C9-Isoparaffin1	0.184	0.192	0.140
185	89.35620237-46-0		K9	c-Nonene-3	0.036	0.040	0.028
187	89.785	111-84-2	P9	n-Nonane	0.699	0.744	0.530
188	90.189	4926-90-3	M9	1,1-Methylethylcyclohexane	0.130	0.123	0.100
189	90.546	4984-01-4	C10	3,7-Dimethyloctene-1	0.095	0.104	0.066
190	91.144	98-82-8	Q9	i-Propylbenzene	0.100	0.089	0.081

Component List

<u>Pk#</u>	<u>Time</u>	<u>CASNO</u>	<u>Group</u>	<u>Component</u>	<u>%Wgt</u>	<u>%Vol</u>	<u>%Mol</u>
191	91.440	6434-77-1	K9	c-Nonene-2	0.083	0.081	0.064
192	91.741		N9	N26	0.044	0.042	0.034
193	91.854	696-29-7	M9	i-Propylcyclohexane	0.066	0.063	0.051
194	92.08815869-87-1		I10	2,2-Dimethyloctane	0.116	0.122	0.079
195	92.267		N9	N28	0.026	0.025	0.020
196	92.360	4032-94-4	I10	2,4-Dimethyloctane	0.059	0.062	0.040
197	92.777	2051-30-1	I10	2,6-Dimethyloctane	0.065	0.069	0.045
198	92.92215869-89-3		I10	2,5-Dimethyloctane	0.088	0.092	0.060
201	93.403		I10	I12	0.071	0.074	0.048
202	93.526	2040-95-1	M9	n-Butylcyclopentane	0.079	0.077	0.061
203	93.774		N10	N30	0.011	0.010	0.007
204	93.958	4110-44-5	I10	3,3-Dimethyloctane	0.182	0.188	0.125
205	94.091		I10	I14	0.056	0.059	0.039
207	94.625	103-65-1	Q9	n-Propylbenzene	0.586	0.519	0.474
208	94.80752896-90-9		I10	3-Methyl-5-ethylheptane	0.166	0.174	0.113
212	95.517	620-14-4	Q9	1-Methyl-3-ethylbenzene	2.398	2.118	1.941
213	95.733	622-96-8	Q9	1-Methyl-4-ethylbenzene	1.381	1.225	1.118
215	96.365	108-67-8	Q9	1,3,5-Trimethylbenzene	1.504	1.327	1.217
217	96.82515869-85-9		I10	5-Methylnonane	0.172	0.180	0.118
218	97.01617301-94-8		I10	4-Methylnonane	0.268	0.279	0.183
219	97.167	871-83-0	I10	2-Methylnonane	0.199	0.209	0.136
221	97.421	611-14-3	Q9	1-Methyl-2-ethylbenzene	0.893	0.775	0.723
222	97.666	5881-17-4	I10	3-Ethyoctane	0.156	0.161	0.107
223	98.002	5911-04-6	I10	3-Methylnonane	0.355	0.370	0.243
226	98.558		I10	C10-Isoparaffin1	0.071	0.073	0.048
227	98.797		I10	I19	0.084	0.086	0.057
228	99.127	95-63-6	Q9	1,2,4-Trimethylbenzene	4.188	3.652	3.391
229	99.484		I10	I21	0.174	0.180	0.119
230	99.713		I10	C10-Isoparaffin2	0.099	0.103	0.068
232	100.38819781-18-0		C10	2,3-Dimethyloctene-2	0.092	0.095	0.064
234	100.721	135-98-8	Q10	sec-Butylbenzene	0.093	0.082	0.067
235	100.943	124-18-5	P10	n-Decane	0.933	0.976	0.638
236	101.260		I11	I26	0.063	0.066	0.040
237	101.406		I11	C11-Isoparaffin1	0.061	0.063	0.038
238	101.646		N11	N39	0.052	0.050	0.033
240	101.929	526-73-8	Q9	1,2,3-Trimethylbenzene	1.006	0.859	0.815
241	102.363	535-77-3	Q10	1-Methyl-3-i-propylbenzene	0.076	0.067	0.055
245	102.734	99-87-6	Q10	1-Methyl-4-i-propylbenzene	0.055	0.049	0.040
247	103.104	496-11-7	J10	2,3-Dihydroindene	0.336	0.267	0.277
248	103.375	7058-01-7	M10	sec-Butylcyclohexane	0.187	0.175	0.130
249	103.744	527-84-4	Q10	1-Methyl-2-i-propylbenzene	0.161	0.141	0.117
250	103.87017362-11-3		I11	3-Ethylnonane	0.062	0.063	0.038
255	104.726	141-93-5	Q10	1,3-Diethylbenzene	0.130	0.115	0.094
256	104.963	1074-43-7	Q10	1-Methyl-3-n-propylbenzene	0.418	0.371	0.303

Component List

<u>Pk#</u>	<u>Time</u>	<u>CASNO</u>	<u>Group</u>	<u>Component</u>	<u>%Wgt</u>	<u>%Vol</u>	<u>%Mol</u>
258	105.376	105-05-5	Q10	1,4-Diethylbenzene	0.147	0.130	0.106
259	105.600	934-74-7	Q10	1,3-Dimethyl-5-ethylbenzene	0.325	0.282	0.236
260	105.859	135-01-3	Q10	1,2-Diethylbenzene	0.088	0.076	0.064
262	106.338	493-02-7	D10	t-Decahydronaphthalene	0.083	0.079	0.052
263	106.626		I11	C11-Isoparaffin3	0.183	0.189	0.114
265	106.934		I11	C11-Isoparaffin4	0.094	0.097	0.058
267	107.263		I11	C11-Isoparaffin5	0.085	0.088	0.053
269	107.626	874-41-9	Q10	1,3-Dimethyl-4-ethylbenzene	0.181	0.157	0.131
272	108.189	934-80-5	Q10	1,2-Dimethyl-4-ethylbenzene	0.342	0.299	0.248
274	108.761	2870-04-4	Q10	1,3-Dimethyl-2-ethylbenzene	0.202	0.173	0.146
276	109.533		Q11	4M-1tC4Benz	0.040	0.034	0.029
279	109.939		Q11	1-Methyl-4-t-butylbenzene	0.066	0.059	0.043
280	110.112	933-98-2	Q10	1,2-Dimethyl-3-ethylbenzene	0.116	0.099	0.084
281	110.462	1120-21-4	P11	n-Undecane	0.236	0.242	0.147
282	110.643	95-93-2	Q10	1,2,4,5-Tetramethylbenzene	0.062	0.054	0.045
285	111.188		Q11	1-Methyl-1-n-butylbenzene	0.266	0.228	0.175
286	111.499	1074-92-6	Q11	1-t-Butyl-2-methylbenzene	0.374	0.321	0.245
294	112.992		Q11	C11-Aromatic1	0.067	0.058	0.044
295	113.130	874-35-1	H10	5-Methylindan	0.121	0.104	0.089
296	113.327		Q11	C11-Aromatic2	0.092	0.079	0.061
297	113.607		Q11	C11-Aromatic3	0.157	0.135	0.103
298	114.011	824-22-6	H10	4-Methylindan	0.191	0.164	0.141
299	114.347	824-63-5	H10	2-Methylindan	0.185	0.159	0.136
302	115.130		M12	1t-M-2-(4-MP)cyclopentane	0.096	0.092	0.056
305	115.513		Q11	1-Methyl-2-n-butylbenzene	0.038	0.033	0.025
306	115.652	100-18-5	Q12	1,4-Di-i-propylbenzene	0.105	0.090	0.063
308	116.284	119-64-2	G10	1,2,3,4-Tetrahydronaphthalene	0.096	0.076	0.071
310	116.785	91-20-3	G10	Naphthalene	0.036	0.027	0.027
313	117.363		Q12	1t-Butyl-4-ethylbenzene	0.046	0.039	0.027
317	118.243		Q12	1,3-Di-n-propylbenzene	0.053	0.046	0.032
318	118.374		A12	A5	0.106	0.091	0.063
319	119.065	112-40-3	P12	n-Dodecane	0.036	0.037	0.021
325	120.531	102-25-0	Q12	1,3,5-Triethylbenzene	0.011	0.010	0.007
329	121.198	877-44-1	Q12	1,2,4-Triethylbenzene	0.027	0.023	0.016
336	122.541		Q12	1-Methyl-4-n-pentylbenzene	0.021	0.018	0.013
342	123.524	1077-16-3	Q12	n-Hexylbenzene	0.012	0.010	0.007
343	123.748		I13	I49	0.020	0.020	0.011
350	124.932	700-12-9	Q11	Pentamethylbenzene	0.028	0.021	0.018
354	125.810	91-57-6	G11	2-Methylnaphthalene	0.020	0.015	0.013
357	126.386	90-12-0	G11	1-Methylnaphthalene	0.013	0.010	0.009
360	126.764	629-50-5	P13	n-Tridecane	0.014	0.014	0.007

Components by Group

<u>Group</u>	<u>Time</u>	<u>CASNO</u>	<u>Component</u>	<u>%Wgt</u>	<u>%Vol</u>	<u>%Mol</u>
Paraffin	9.737	106-97-8	n-Butane	3.709	4.895	6.211
	16.870	109-66-0	n-Pentane	0.862	1.051	1.162
	33.480	110-54-3	n-Hexane	0.555	0.643	0.627
	55.289	142-82-5	n-Heptane	0.088	0.098	0.085
	75.601	111-65-9	n-Octane	0.102	0.111	0.087
	89.785	111-84-2	n-Nonane	0.699	0.744	0.530
	100.943	124-18-5	n-Decane	0.933	0.976	0.638
	110.462	1120-21-4	n-Undecane	0.236	0.242	0.147
	119.065	112-40-3	n-Dodecane	0.036	0.037	0.021
	126.764	629-50-5	n-Tridecane	0.014	0.014	0.007
I-Paraffins	8.665	75-28-5	i-Butane	0.030	0.041	0.050
	10.265	463-82-1	2,2-Dimethylpropane	0.064	0.083	0.087
	14.153	78-78-4	i-Pentane	3.393	4.183	4.576
	21.415	75-83-2	2,2-Dimethylbutane	0.081	0.095	0.092
	26.327	79-29-8	2,3-Dimethylbutane	0.885	1.021	0.999
	27.366	107-83-5	2-Methylpentane	1.568	1.834	1.771
	29.878	96-14-0	3-Methylpentane	0.979	1.126	1.106
	39.715	108-08-7	2,4-Dimethylpentane	0.605	0.687	0.587
	40.217	464-06-2	2,2,3-Trimethylbutane	0.063	0.069	0.061
	47.983	591-76-4	2-Methylhexane	0.594	0.668	0.577
	49.779	589-34-4	3-Methylhexane	0.275	0.306	0.267
	52.461	540-84-1	2,2,4-Trimethylpentane	4.369	4.823	3.722
	62.004	564-02-3	2,2,3-Trimethylpentane	0.282	0.301	0.240
	62.305	592-13-2	2,5-Dimethylhexane	0.592	0.652	0.504
	62.628	589-43-5	2,4-Dimethylhexane	0.547	0.597	0.466
	63.852	563-16-6	3,3-Dimethylhexane	0.017	0.019	0.015
	65.708	565-75-3	2,3,4-Trimethylpentane	1.855	1.970	1.580
	68.152	584-94-1	2,3-Dimethylhexane	0.779	0.836	0.664
	69.499	592-27-8	2-Methylheptane	0.083	0.090	0.070
	69.733	589-53-7	4-Methylheptane	0.082	0.089	0.070
	70.866	589-81-1	3-Methylheptane	0.169	0.183	0.144
	72.818	3522-94-9	2,2,5-Trimethylhexane	0.772	0.834	0.586
	74.34116747-26-5		2,2,4-Trimethylhexane	0.018	0.019	0.014
	78.070	921-47-1	2,3,4-Trimethylhexane	0.146	0.151	0.111
	79.868	1071-26-7	2,2-Dimethylheptane	0.071	0.077	0.054
	80.29616747-25-4		2,2,3-Trimethylhexane	0.075	0.080	0.057
	80.677	1068-19-5	4,4-Dimethylheptane	0.049	0.052	0.037
	81.418	4032-86-4	3,3-Dimethylheptane	0.032	0.034	0.024
	81.926	3074-75-7	2-Methyl-4-ethylhexane	0.026	0.027	0.020
	84.793	1067-20-5	3,3-Diethylpentane	0.133	0.135	0.101
	85.212	2216-34-4	4-Methyloctane	0.117	0.124	0.089
	85.350	3221-61-2	2-Methyloctane	0.188	0.202	0.143
	86.228	2216-33-3	3-Methyloctane	0.198	0.210	0.150
	88.113		C9-Isoparaffin1	0.184	0.192	0.140
	92.08815869-87-1		2,2-Dimethyloctane	0.116	0.122	0.079
	92.360	4032-94-4	2,4-Dimethyloctane	0.059	0.062	0.040
	92.777	2051-30-1	2,6-Dimethyloctane	0.065	0.069	0.045

Recovery = 100.00

Components by Group

<u>Group</u>	<u>Time</u>	<u>CASNO</u>	<u>Component</u>	<u>%Wgt</u>	<u>%Vol</u>	<u>%Mol</u>
I-Paraffins	92.92215869-89-3		2,5-Dimethyloctane	0.088	0.092	0.060
	93.403	I12		0.071	0.074	0.048
	93.958	4110-44-5	3,3-Dimethyloctane	0.182	0.188	0.125
	94.091	I14		0.056	0.059	0.039
	94.80752896-90-9		3-Methyl-5-ethylheptane	0.166	0.174	0.113
	96.82515869-85-9		5-Methylnonane	0.172	0.180	0.118
	97.01617301-94-8		4-Methylnonane	0.268	0.279	0.183
	97.167	871-83-0	2-Methylnonane	0.199	0.209	0.136
	97.666	5881-17-4	3-Ethyloctane	0.156	0.161	0.107
	98.002	5911-04-6	3-Methylnonane	0.355	0.370	0.243
	98.558		C10-Isoparaffin1	0.071	0.073	0.048
	98.797	I19		0.084	0.086	0.057
	99.484	I21		0.174	0.180	0.119
	99.713		C10-Isoparaffin2	0.099	0.103	0.068
	101.260	I26		0.063	0.066	0.040
	101.406		C11-Isoparaffin1	0.061	0.063	0.038
	103.87017362-11-3		3-Ethylnonane	0.062	0.063	0.038
	106.626		C11-Isoparaffin3	0.183	0.189	0.114
	106.934		C11-Isoparaffin4	0.094	0.097	0.058
	107.263		C11-Isoparaffin5	0.085	0.088	0.053
	123.748	I49		0.020	0.020	0.011
Aromatics	118.374		A5	0.106	0.091	0.063
Mono-Aromatics	43.156	71-42-3	Benzene	0.710	0.617	0.885
	66.486	108-88-3	Toluene	8.300	7.312	8.766
	82.776	100-41-4	Ethylbenzene	9.943	8.759	9.114
	83.880	108-38-3	m-Xylene	0.377	0.334	0.346
	84.052	106-42-3	p-Xylene	0.476	0.422	0.436
	86.897	95-47-6	o-Xylene	0.341	0.296	0.313
	91.144	98-82-8	i-Propylbenzene	0.100	0.089	0.081
	94.625	103-65-1	n-Propylbenzene	0.586	0.519	0.474
	95.517	620-14-4	1-Methyl-3-ethylbenzene	2.398	2.118	1.941
	95.733	622-96-8	1-Methyl-4-ethylbenzene	1.381	1.225	1.118
	96.365	108-67-8	1,3,5-Trimethylbenzene	1.504	1.327	1.217
	97.421	611-14-3	1-Methyl-2-ethylbenzene	0.893	0.775	0.723
	99.127	95-63-6	1,2,4-Trimethylbenzene	4.188	3.652	3.391
	100.721	135-98-8	sec-Butylbenzene	0.093	0.082	0.067
	101.929	526-73-8	1,2,3-Trimethylbenzene	1.006	0.859	0.815
	102.363	535-77-3	1-Methyl-3-i-propylbenzene	0.076	0.067	0.055
	102.734	99-87-6	1-Methyl-4-i-propylbenzene	0.055	0.049	0.040
	103.744	527-84-4	1-Methyl-2-i-propylbenzene	0.161	0.141	0.117
	104.726	141-93-5	1,3-Diethylbenzene	0.130	0.115	0.094
	104.963	1074-43-7	1-Methyl-3-n-propylbenzene	0.418	0.371	0.303
	105.376	105-05-5	1,4-Diethylbenzene	0.147	0.130	0.106
	105.600	934-74-7	1,3-Dimethyl-5-ethylbenzene	0.325	0.282	0.236
	105.859	135-01-3	1,2-Diethylbenzene	0.088	0.076	0.064
	107.626	874-41-9	1,3-Dimethyl-4-ethylbenzene	0.181	0.157	0.131

Components by Group

Group	Time	CASNO	Component	%Wgt	%Vol	%Mol
<i>Mono-Aromatics</i>	108.189	934-80-5	1,2-Dimethyl-4-ethylbenzene	0.342	0.299	0.248
	108.761	2870-04-4	1,3-Dimethyl-2-ethylbenzene	0.202	0.173	0.146
	109.533		4M-1tC4Benz	0.040	0.034	0.029
	109.939		1-Methyl-4-t-butylbenzene	0.066	0.059	0.043
	110.112	933-98-2	1,2-Dimethyl-3-ethylbenzene	0.116	0.099	0.084
	110.643	95-93-2	1,2,4,5-Tetramethylbenzene	0.062	0.054	0.045
	111.188		1-Methyl-1-n-butylbenzene	0.266	0.228	0.175
	111.499	1074-92-6	1-t-Butyl-2-methylbenzene	0.374	0.321	0.245
	112.992		C11-Aromatic1	0.067	0.058	0.044
	113.327		C11-Aromatic2	0.092	0.079	0.061
	113.607		C11-Aromatic3	0.157	0.135	0.103
	115.513		1-Methyl-2-n-butylbenzene	0.038	0.033	0.025
	115.652	100-18-5	1,4-Di-i-propylbenzene	0.105	0.090	0.063
	117.363		1t-Butyl-4-ethylbenzene	0.046	0.039	0.027
	118.243		1,3-Di-n-propylbenzene	0.053	0.046	0.032
	120.531	102-25-0	1,3,5-Triethylbenzene	0.011	0.010	0.007
	121.198	877-44-1	1,2,4-Triethylbenzene	0.027	0.023	0.016
	122.541		1-Methyl-4-n-pentylbenzene	0.021	0.018	0.013
	123.524	1077-16-3	n-Hexylbenzene	0.012	0.010	0.007
	124.932	700-12-9	Pentamethylbenzene	0.028	0.021	0.018
<i>Naphthalenes</i>	116.284	119-64-2	1,2,3,4-Tetrahydronaphthalene	0.096	0.076	0.071
	116.785	91-20-3	Naphthalene	0.036	0.027	0.027
	125.810	91-57-6	2-Methylnaphthalene	0.020	0.015	0.013
	126.386	90-12-0	1-Methylnaphthalene	0.013	0.010	0.009
<i>Naphtheno/Olefins</i>	113.130	874-35-1	5-Methylindan	0.121	0.104	0.089
	114.011	824-22-6	4-Methylindan	0.191	0.164	0.141
	114.347	824-63-5	2-Methylindan	0.185	0.159	0.136
<i>Indenes</i>	103.104	496-11-7	2,3-Dihydroindene	0.336	0.267	0.277
<i>Naphthenes</i>	82.409		N8	0.011	0.011	0.010
	87.636		N18	0.045	0.044	0.035
	91.741		N26	0.044	0.042	0.034
	92.267		N28	0.026	0.025	0.020
	93.774		N30	0.011	0.010	0.007
	101.646		N39	0.052	0.050	0.033
<i>Mono-Naphthene</i>	25.643	287-92-3	Cyclopentane	0.104	0.106	0.144
	38.162	96-37-7	Methylcyclopentane	0.616	0.628	0.712
	45.167	110-82-7	Cyclohexane	18.646	18.293	21.560
	50.579	2532-58-3	1c,3-Dimethylcyclopentane	0.095	0.097	0.094
	51.157	1759-58-6	1t,3-Dimethylcyclopentane	0.069	0.070	0.068
	51.768	822-50-4	1t,2-Dimethylcyclopentane	0.037	0.038	0.037
	58.576	108-87-2	Methylcyclohexane	0.058	0.057	0.057
	58.978	1192-18-3	1c,2-Dimethylcyclopentane	0.013	0.014	0.013
	59.535	4516-69-2	1,1,3-Trimethylcyclopentane	0.014	0.014	0.012

Recovery = 100.00

Components by Group

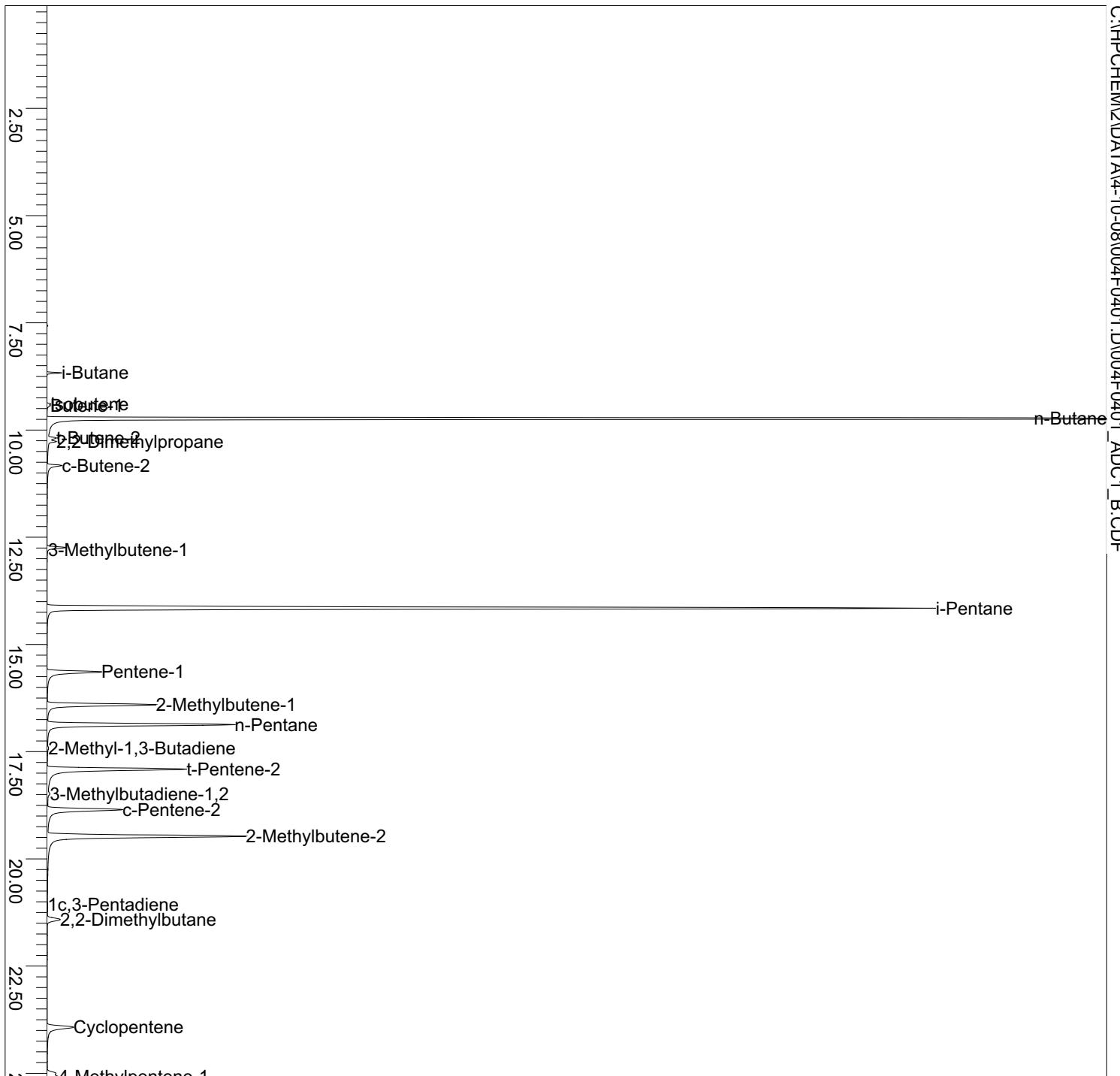
<u>Group</u>	<u>Time</u>	<u>CASNO</u>	<u>Component</u>	<u>%Wgt</u>	<u>%Vol</u>	<u>%Mol</u>
<i>Mono-Naphthene</i>	61.384	1640-89-7	Ethylcyclopentane	0.017	0.017	0.017
	63.418	4850-28-6	1c,2t,4-Trimethylcyclopentane	0.014	0.014	0.012
	73.097		3c-Ethylmethylcyclopentane	0.021	0.021	0.018
	73.348		3t-Ethylmethylcyclopentane	0.021	0.021	0.019
	73.604	111-66-0	2t-Ethylmethylcyclopentane	0.017	0.017	0.015
	74.03116747-50-5		1,1-Methylethylcyclopentane	0.038	0.037	0.033
	74.776	2207-03-6	1t,3-Dimethylcyclohexane	0.012	0.012	0.010
	75.316		1c,2c,3-Trimethylcyclopentane	0.030	0.029	0.026
	79.304	2207-01-4	1c,2-Dimethylcyclohexane	0.037	0.035	0.032
	81.028	1678-91-7	Ethylcyclohexane	0.020	0.019	0.017
	81.245	1795-27-3	1c,3c,5-Trimethylcyclohexane	0.089	0.088	0.068
	82.993	7667-60-9	1c,2t,4t-Trimethylcyclohexane	0.396	0.388	0.306
	86.046		1c,2t,4c-Trimethylcyclohexane	0.066	0.065	0.050
	90.189	4926-90-3	1,1-Methylethylcyclohexane	0.130	0.123	0.100
	91.854	696-29-7	i-Propylcyclohexane	0.066	0.063	0.051
	93.526	2040-95-1	n-Butylcyclopentane	0.079	0.077	0.061
	103.375	7058-01-7	sec-Butylcyclohexane	0.187	0.175	0.130
	115.130		1t-M-2-(4-MP)cyclopentane	0.096	0.092	0.056
<i>Di/Bicyclo-Naphth.</i>	106.338	493-02-7	t-Decahydronaphthalene	0.083	0.079	0.052
<i>Olefins</i>	9.390	115-11-7	isobutene	0.000	0.000	0.000
	35.333		O13	0.058	0.064	0.067
	54.904		C7-Olefin2	0.038	0.042	0.038
	64.156		O38	0.010	0.010	0.010
	64.995		C8-Olefin2	0.016	0.017	0.016
	76.451		C9-Olefin1	0.072	0.077	0.063
	77.055		C9-Olefin2	0.019	0.020	0.015
	87.278		C9-Olefin4	0.226	0.240	0.174
<i>n-Olefins</i>	9.430	106-98-9	Butene-1	0.013	0.017	0.023
	10.183	624-64-6	t-Butene-2	0.038	0.048	0.065
	10.825	590-18-1	c-Butene-2	0.086	0.106	0.149
	15.639	109-67-1	Pentene-1	0.294	0.351	0.408
	17.907	646-04-8	t-Pentene-2	0.757	0.892	1.050
	18.852	627-20-3	c-Pentene-2	0.441	0.513	0.611
	31.253	592-41-6	Hexene-1	0.140	0.158	0.162
	34.14913269-52-8		t-Hexene-3	0.203	0.227	0.235
	34.609	4050-45-7	t-Hexene-2	0.380	0.426	0.440
	36.378	7688-21-3	c-Hexene-2	0.179	0.198	0.207
	54.58214686-14-7		t-Heptene-3	0.037	0.041	0.037
	55.533	7642-10-6	c-Heptene-3	0.032	0.035	0.032
	58.099	6443-92-1	c-Heptene-2	0.021	0.023	0.021
	73.78314850-23-8		t-Octene-4	0.028	0.030	0.025
	77.622	7642-04-8	c-Octene-2	0.008	0.008	0.007
	89.35620237-46-0		c-Nonene-3	0.036	0.040	0.028
	91.440	6434-77-1	c-Nonene-2	0.083	0.081	0.064
<i>Iso-Olefins</i>	12.802	563-45-1	3-Methylbutene-1	0.078	0.095	0.108

Recovery = 100.00

Components by Group

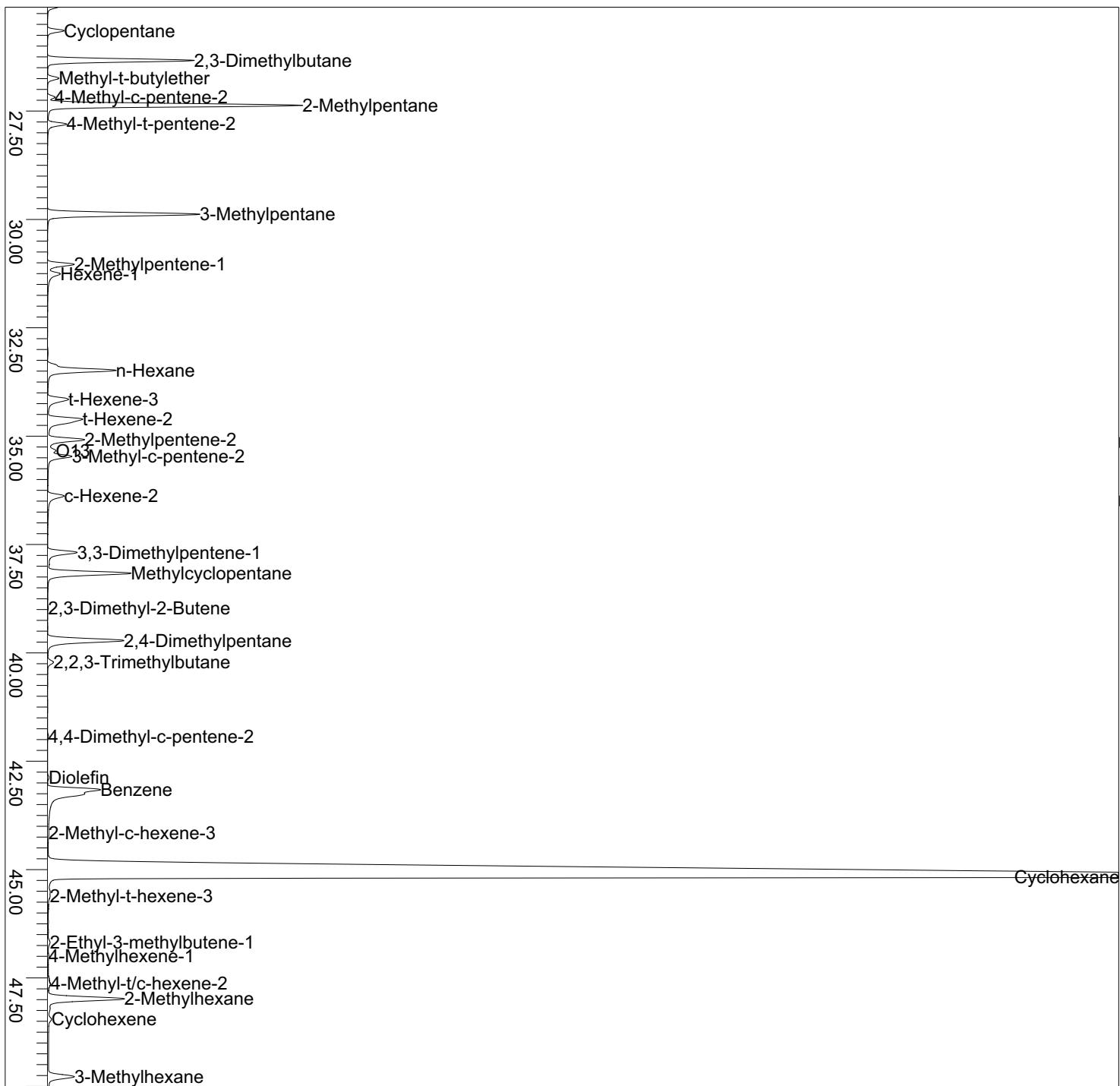
<u>Group</u>	<u>Time</u>	<u>CASNO</u>	<u>Component</u>	<u>%Wgt</u>	<u>%Vol</u>	<u>%Mol</u>
<i>Iso-Olefins</i>	16.404	563-46-2	2-Methylbutene-1	0.497	0.584	0.690
	19.472	513-35-9	2-Methylbutene-2	1.051	1.212	1.459
	25.084	691-37-2	4-Methylpentene-1	0.085	0.097	0.098
	27.175	691-38-3	4-Methyl-c-pentene-2	0.046	0.052	0.053
	27.797	674-76-0	4-Methyl-t-pentene-2	0.146	0.166	0.169
	31.033	763-29-1	2-Methylpentene-1	0.182	0.203	0.211
	35.080	625-27-4	2-Methylpentene-2	0.277	0.306	0.320
	35.465	922-62-3	3-Methyl-c-pentene-2	0.225	0.246	0.260
	37.682	3404-73-7	3,3-Dimethylpentene-1	0.234	0.255	0.232
	41.934	762-63-0	4,4-Dimethyl-c-pentene-2	0.018	0.019	0.018
	44.152		2-Methyl-c-hexene-3	0.042	0.046	0.042
	45.604	692-24-0	2-Methyl-t-hexene-3	0.033	0.037	0.033
	46.682	7357-93-9	2-Ethyl-3-methylbutene-1	0.038	0.041	0.038
	47.002	3769-23-1	4-Methylhexene-1	0.022	0.024	0.022
	47.632	3404-55-5	4-Methyl-t/c-hexene-2	0.034	0.037	0.034
	54.104	4914-89-0	3-Methyl-c-hexene-3	0.032	0.034	0.032
	55.856	2738-19-4	2-Methyl-2-hexene	0.027	0.029	0.027
	56.075	10574-36-4	3-Methyl-c-hexene-2	0.044	0.047	0.043
	56.611	816-79-5	3-Ethylpentene-2	0.020	0.022	0.020
	56.835		1,5-DM-Cyclopentene	0.040	0.042	0.040
	57.365	20710-38-8	3-Methyl-t-hexene-2	0.028	0.030	0.028
	75.130	19549-89-4	3,3-Dimethylheptene-1	0.015	0.015	0.011
	80.135	19550-75-6	t-2,2-Dimethylheptene-3	0.017	0.019	0.013
	90.546	4984-01-4	3,7-Dimethyloctene-1	0.095	0.104	0.066
	100.388	19781-18-0	2,3-Dimethyloctene-2	0.092	0.095	0.064
<i>Naphtheno-Olefin</i>	23.926	142-29-0	Cyclopentene	0.191	0.189	0.273
	48.455	110-83-8	Cyclohexene	0.076	0.071	0.090
<i>Di-Olefins</i>	17.412	78-79-5	2-Methyl-1,3-Butadiene	0.018	0.020	0.026
	18.484	598-25-4	3-Methylbutadiene-1,2	0.031	0.037	0.044
	21.064	1574-41-0	1c,3-Pentadiene	0.013	0.014	0.019
	38.970	563-79-1	2,3-Dimethyl-2-Butene	0.017	0.018	0.020
	42.875		Diolefin	0.020	0.022	0.024
	52.940	1541-23-7	1,5-Heptadiene	0.051	0.052	0.054
	67.750		C8-Diolefin3	0.054	0.056	0.054
<i>Oxygenates</i>	71.864	1002-33-1	1,3-Octadiene	0.022	0.022	0.020
	26.739	1634-04-4	Methyl-t-butylether	0.116	0.120	0.128
Plus						

Sample Chromatogram

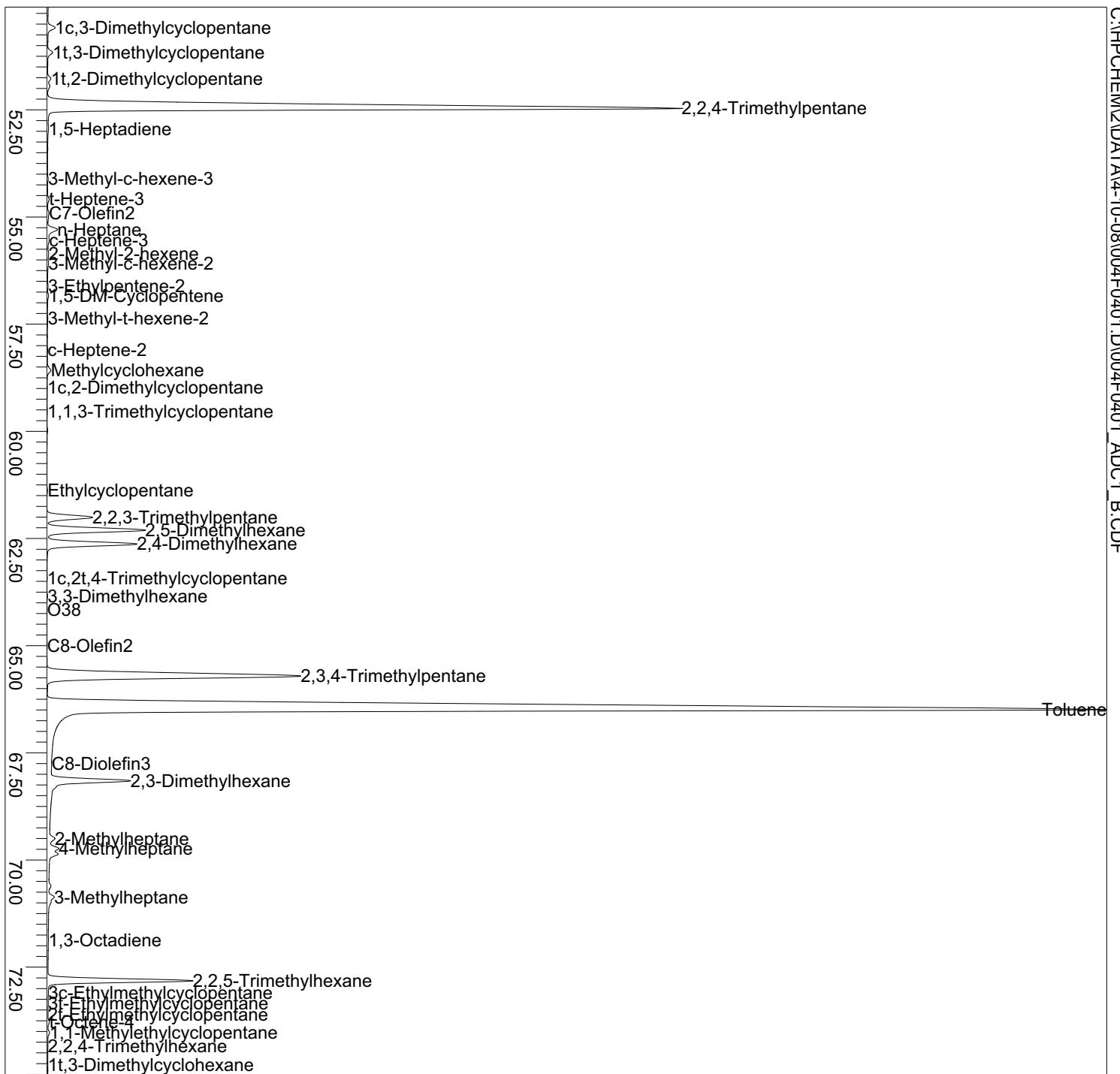


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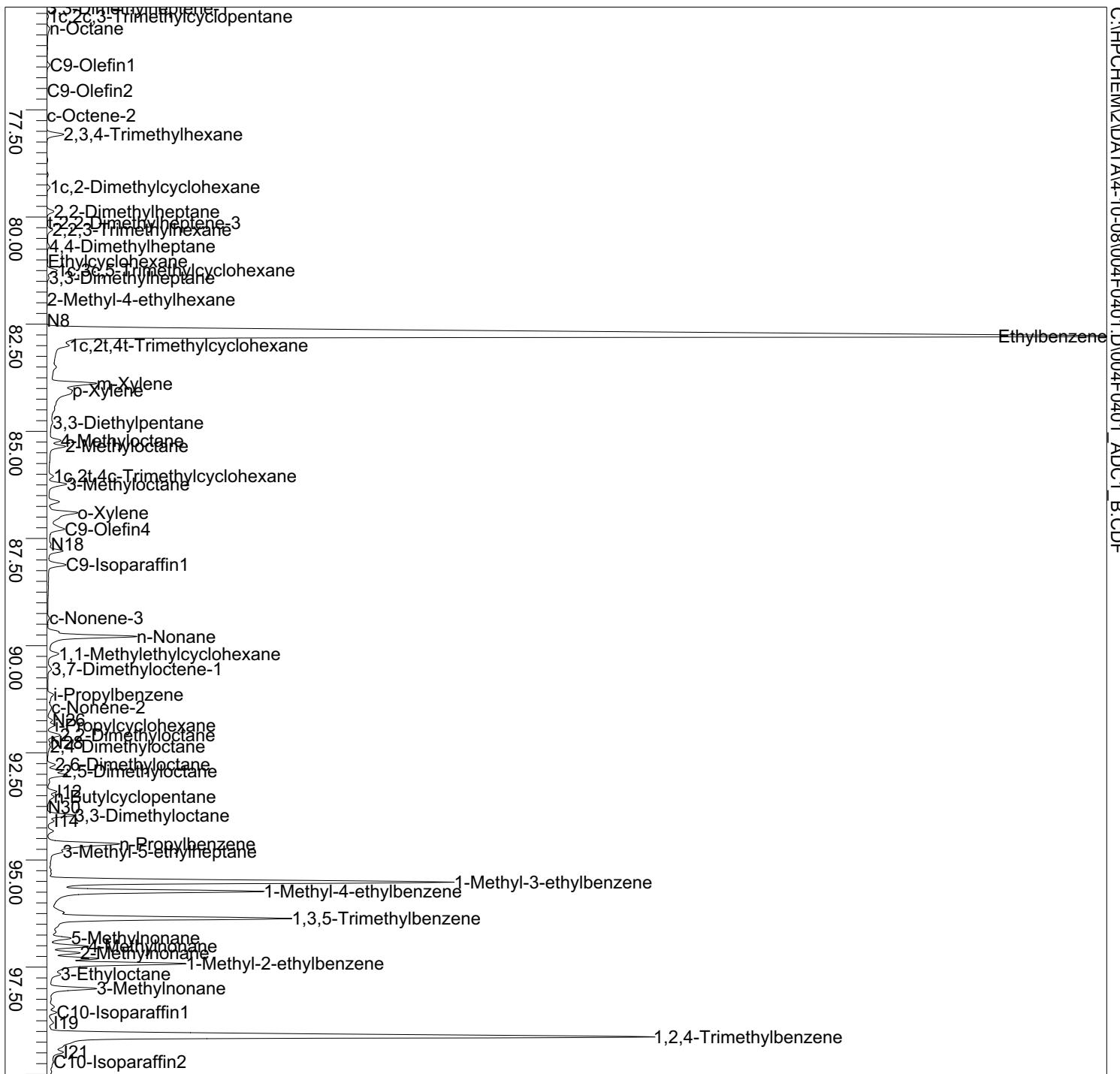
Sample Chromatogram



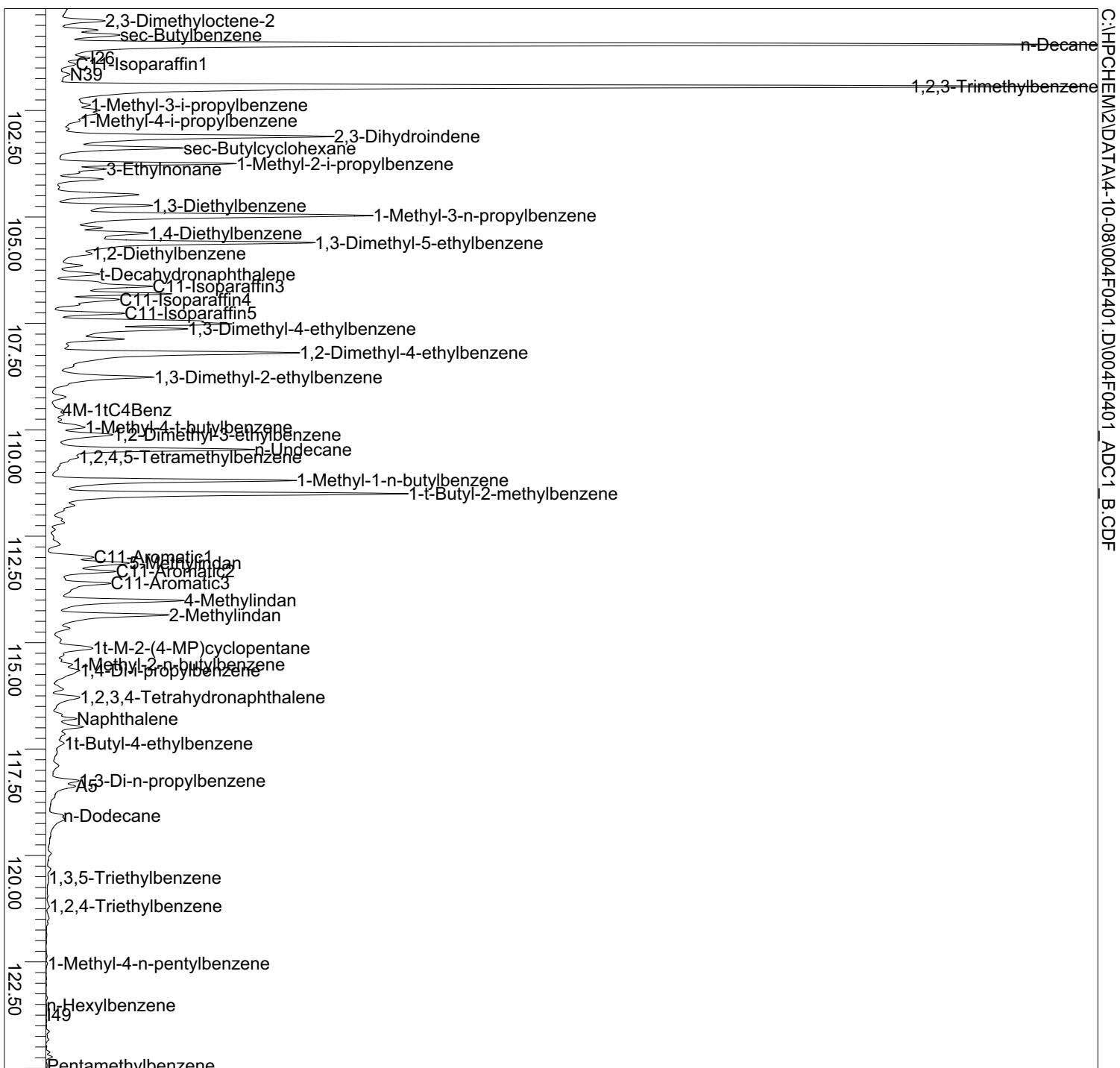
Sample Chromatogram



Sample Chromatogram

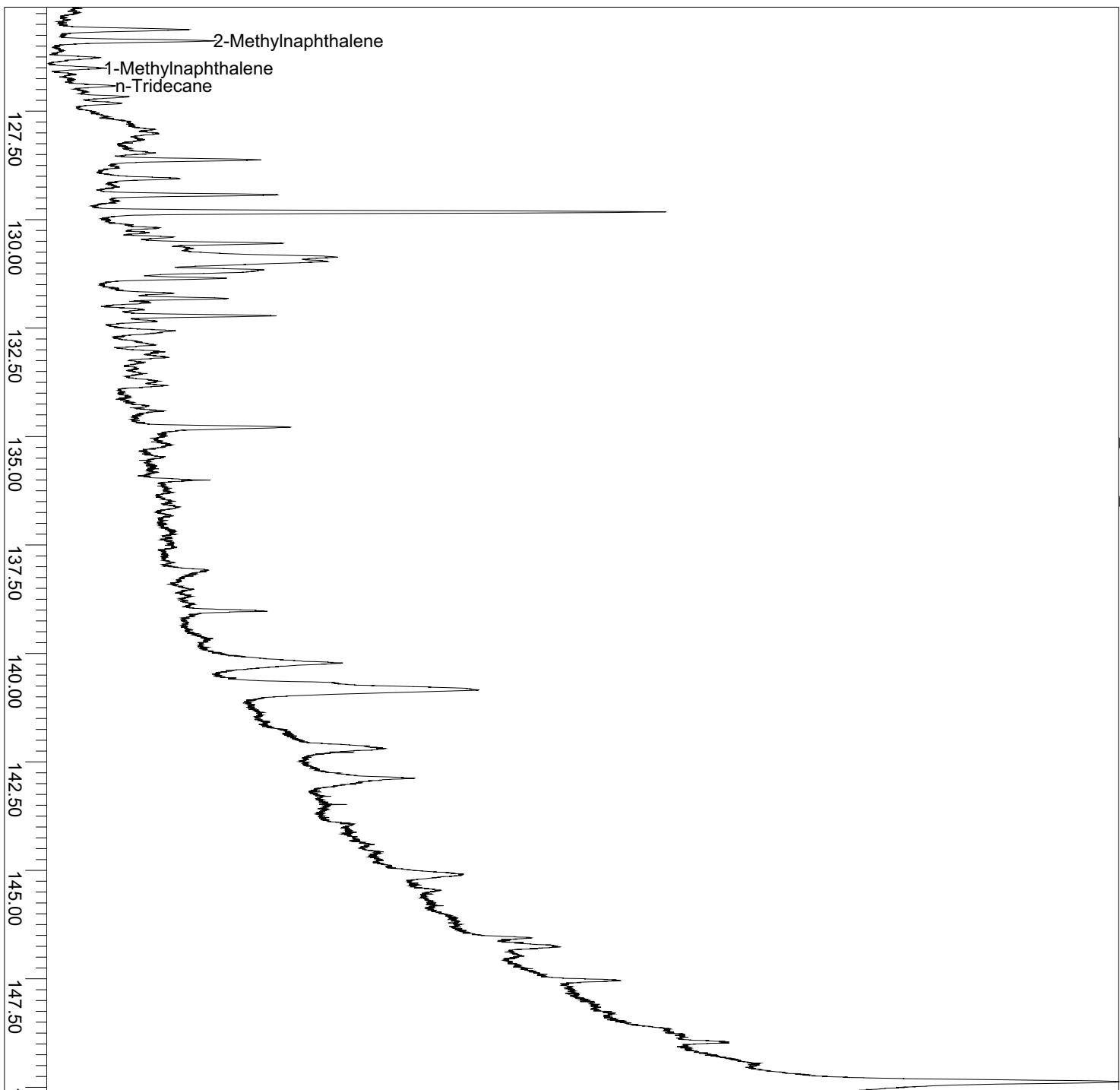


Sample Chromatogram



GA-6653 LAX Fuel 17
SwRI PPRD Lab# 69590

Sample Chromatogram



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